

Listing of Claims

1. (Currently amended) A sealing device for rotating equipment, comprising:
at least one sensor;
and at least one data storage device;
wherein said at least one sensor is arranged to measure variable information relating to the performance of the sealing device ~~and to feed said information to said at least one storage device~~
said at least one sensor being connected to an amplifier and/or a micro-controller and one of the at least one data storage device, which is accessed by a remote unit comprising a display.
2. (Currently amended) A device according to claim 1, ~~wherein said information stored is remotely accessible by wireless technology~~ wherein the remote unit further comprises an antenna to enable remote access by wireless technology.
3. (Original) A device according to claim 2, wherein said wireless technology is RFID, WAP, WEP, WLAN, Bluetooth, Internet, phones and/or satellite.
4. (Currently amended) A device according to claim 1, wherein ~~said information stored is remotely accessible~~ the remote unit further comprises a receiver to enable remote access by non-wireless technology.
5. (Original) A device according to claim 4, wherein said non-wireless technology comprises LAN, Cable, hard wiring and/or a field bus connector.
6. (Canceled)
7. (Currently amended) A device according to claim ~~6~~ 1, wherein said one of the at least one data storage device is accessed by a ~~remote unit comprising of a display, and/or keypad~~ and

~~remote antennae or receiver.~~

8. (Original) A device according to claim 1, wherein the at least one sensor is a strain measurement device that is fixed to a component of the sealing device.

9. (Original) A device according to claim 1, wherein the at least one sensor is a linear measurement device.

10. (Original) A device according to claim 1, wherein said information is processed by a software application configured to advise on remedial actions.

11. (Original) A device according to claim 1, wherein the device further comprises:
an axially split drive collar, one end of said split drive collar being fixed to a stationary part of the sealing device and the other end of the split device collar being attached to said at least one sensor device.

12. (Original) A device according to claim 1, wherein the at least one sensor and the at least one data storage device are operable to provide feedback control.

13. (Currently amended) A method of monitoring the performance of a sealing device for rotating equipment, comprising:

measuring variable information by means of at least one sensor incorporated in the sealing device, said at least one sensor being connected to an amplifier and/or a micro-controller; and

providing said information to at least one data storage device, which is accessed by a remote unit comprising a display.

14. (Currently amended) A method according to claim 13, wherein the information stored in the at least one storage device is displayed on the display means.